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FILING DATE APPLICATION NO. FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/816,393 205173US2S 7222 03/26/2001 Funitomo Matsuoka 22850 07/02/2003 7590 OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. **EXAMINER** 1940 DUKE STREET TOLEDO, FERNANDO L ALEXANDRIA, VA 22314 **ART UNIT** PAPER NUMBER 2823 DATE MAILED: 07/02/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	09/816,393	MATSUOKA, FUNITOMO
	Examiner	Art Unit
	Fernando Toledo	2823
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status		
1)⊠ Responsive to communication(s) filed on <u>04 June 2003</u> .		
2a) ☐ This action is FINAL . 2b) ☑ Thi	s action is non-final.	
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims		
4)⊠ Claim(s) <u>1-3,5-10 and 12-18</u> is/are pending in the application.		
4a) Of the above claim(s) 14-18 is/are withdrawn from consideration.		
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) is/are allowed. 6)⊠ Claim(s) <u>1-3,5-10,12 and 13</u> is/are rejected.		
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7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/or election requirement. Application Papers		
9) The specification is objected to by the Examiner.		
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.		
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).		
11)⊠ The proposed drawing correction filed on <u>29 November 2002</u> is: a)⊠ approved b)☐ disapproved by the Examiner.		
If approved, corrected drawings are required in reply to this Office action.		
12) The oath or declaration is objected to by the Examiner.		
Priority under 35 U.S.C. §§ 119 and 120		
13)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).		
a)⊠ All b)□ Some * c)□ None of:		
1. Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.		
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).		
a) The translation of the foreign language provisional application has been received.		
15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.		
Attachment(s)		
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 	5) Notice of Informal F	(PTO-413) Paper No(s) Patent Application (PTO-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1-3, 5-10, 12 and 13 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Applicant's amendment claims that the second trench is formed without etching the substrate. There is no disclosure of such limitation in the specification of the present application.

The Applicant discloses on page 14, line 9 to page 15, line 3 that the second trench is formed by etching the insulating film of the dummy gate and the sidewalls with an etchant that has selectivity to the substrate. This shows that up to some extent the substrate would be etched and hence it would contradict with the new limitation of "without etching the substrate." Applicant does not show how the etching of the substrate would be prevented.

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Response to Arguments

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3. Applicant's arguments with respect to claims 1 - 3, 5 - 10, 12 and 13 have been

considered but are moot in view of the new ground(s) of rejection. Applicant's limitation

of "without etching the substrate" overcomes the rejection of based on the combination

of Yu with AAPA since Yu clearly etches part of the substrate to create the second

trench.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Fernando Toledo whose telephone number is 703-305-

0567. The examiner can normally be reached on Mon-Fri 8am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Olik Chaudhuri can be reached on 703-306-2794. The fax phone numbers

for the organization where this application or proceeding is assigned are 703-308-7382

for regular communications and 703-308-7382 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 703-308-

0956.

George Fourson

Primary Examiner

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June 27, 2003